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Title:

**Device for vertical mixing**

Document Type and Number:

European Patent EP1273341

Kind Code:

B1

Abstract:

Abstract of **EP1273341**

Process for operating a vertical mixer for vaporous, liquid, powdered and pasty products comprises completely filling the mixer in the operating state; forming a shearing field in the mixed product and in the product stream using a mixing tool; and allowing the product to flow from the inlets to the outlet. Process for operating a vertical mixer for vaporous, liquid, powdered and/or pasty products comprises completely filling the mixer (1) in the operating state; forming a shearing field in the mixed product (11) and in the product stream using a mixing tool; and allowing the product to flow from the inlets (10) to the outlet (8). The starting products are continuously introduced into the mixer and the flow of starting products is controlled at the outlet. An Independent claim is also included for a device for carrying out the process comprising paddles (4) arranged on a hollow shaft (2) and an inner shaft (3) arranged within the shaft for a slide (9) provided on the outlet. Preferred Features: The mixing tool operates against the product stream. The mixer is connected to an extruder, dicing press or expander. The mixer is arranged before or after a batch mixer. The mixed product is pressed in the direction of the inner wall of the housing using the mixing tool.

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